Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1. (Currently Amended) A method for treating a patient suffering from ~~a cancerous disease~~ human breast or prostate cancer comprising:

administering to said patient an ~~anti-cancer~~ isolated monoclonal antibody or antigen binding fragment thereof ~~produced in accordance with a method for the production of anti-cancer antibodies which are useful in treating a cancerous disease~~, said antibody or antigen binding fragment thereof characterized as being cytotoxic against cells of said breast or prostate cancer ~~a cancerous tissue, and being essentially benign to non-cancerous cells~~;

wherein said antibody or antigen binding fragment thereof is placed in admixture with a pharmaceutically acceptable adjuvant and is administered in an amount effective to mediate treatment of said breast or prostate cancer ~~cancerous disease~~;

said antibody being an isolated monoclonal antibody or antigen binding fragment thereof which ~~has in vitro cytotoxic properties against malignant tumor cells~~ and binds to ~~an extracellular region~~ the same epitope as that

encompassing amino acids 108-202 of CD63 ~~an antigenic moiety~~ expressed by said breast or prostate cancer ~~cancerous tissue~~, ~~said antigenic moiety characterized as being bound by an antibody having the identifying characteristics of a~~ ~~which region is the region~~ bound by the isolated monoclonal antibody ~~encoded~~ produced by ~~a clone~~ the hybridoma cell line deposited with the ATCC as PTA-4890.

Claim 2. (Currently Amended) The method for treating a patient suffering from ~~a cancerous disease~~ breast or prostate cancer in accordance with claim 1, wherein said isolated monoclonal antibody or antigen binding fragment thereof is humanized ~~or chimerized~~ chimeric.

Claim 3. (Currently Amended) The method for treating a patient suffering from ~~a cancerous disease~~ breast or prostate cancer in accordance with claim 1 comprising:

conjugating said antibody or antigen binding fragment thereof with a member selected from the group consisting of toxins, ~~enzymes~~, radioactive compounds, and hematogenous cells, thereby forming an antibody conjugate; and

administering said antibody conjugate or conjugated antigen binding fragments thereof to said patient;

wherein said antibody conjugate or conjugated antigen binding fragments are placed in admixture with a pharmaceutically acceptable adjuvant and are administered in an amount effective to mediate treatment of said ~~cancerous disease~~ breast or prostate cancer.

Claim 4. (Currently Amended) The method of claim 3, wherein said antibody or antigen binding fragment thereof is humanized ~~or chimerized~~ ~~chimeric~~.

Claim 5. (Currently Amended) The method for treating a patient suffering from ~~a cancerous disease~~ breast or prostate cancer in accordance with claim 1 wherein:

the cytotoxicity of said antibody or antigen binding fragment thereof is mediated through antibody dependent cellular toxicity.

Claim 6. (Withdrawn) The method for treating a patient suffering from a cancerous disease in accordance with claim 1 wherein:

the cytotoxicity of said antibody or fragment thereof is mediated through complement dependent cellular toxicity.

Claim 7. (Withdrawn) The method for treating a patient suffering from a cancerous disease in accordance with claim 1 wherein:

the cytotoxicity of said antibody or fragment thereof is mediated through catalyzing of the hydrolysis of cellular chemical bonds.

Claim 8. (Withdrawn) The method for treating a patient suffering from a cancerous disease in accordance with claim 1 wherein:

the cytotoxicity of said antibody or fragment thereof is mediated through producing an immune response against putative cancer antigens residing on tumor cells.

Claim 9. (Withdrawn) The method for treating a patient suffering from a cancerous disease in accordance with claim 1 wherein:

the cytotoxicity of said antibody or fragment thereof is mediated through targeting of cell membrane proteins to interfere with their function.

Claim 10. (Withdrawn) The method for treating a patient suffering from a cancerous disease in accordance with claim 1 wherein:

the cytotoxicity of said antibody or fragment thereof is mediated through production of a conformational change in a cellular protein effective to produce a signal to initiate cell-killing.

Claim ~~11~~ 5. (Currently Amended) The method for treating a patient suffering from ~~a cancerous disease~~ breast or prostate cancer in accordance with claim 1 wherein:

said method of production ~~utilizes~~ is performed with a tissue sample containing cancerous and non-cancerous cells obtained from ~~a particular individual~~ said patient.

Claim ~~12~~ 6. (Currently Amended) A method for treating a patient suffering from ~~a cancerous disease~~ human breast or prostate cancer comprising:

administering to said patient an isolated monoclonal antibody or antigen binding fragment thereof ~~produced in accordance with a method for the production of anti-cancer antibodies which are useful in treating a cancerous disease~~, said isolated monoclonal antibody being cytotoxic against cells of ~~a cancerous disease~~ said

breast or prostate cancer~~, and essentially benign to non-cancerous cells~~;

wherein said antibody is the isolated monoclonal antibody ~~encoded~~ produced by the ~~clone~~ hybridoma cell line deposited with the ATCC as PTA-4890 or an antigen binding fragment thereof, and is placed in admixture with a pharmaceutically acceptable adjuvant and is administered in an amount effective to mediate treatment of said ~~cancerous disease~~ breast or prostate cancer.

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Claim ~~13~~. (Currently Amended) The method for treating a patient suffering from ~~a cancerous disease~~ breast or prostate cancer in accordance with claim ~~12~~ 6, wherein said isolated monoclonal antibody or antigen binding fragment thereof is humanized ~~or chimerized~~ ~~chimeric~~.

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Claim ~~14~~. (Currently Amended) The method for treating a patient suffering from ~~a cancerous disease~~ breast or prostate cancer in accordance with claim ~~12~~ 6 comprising:

conjugating said isolated monoclonal antibody or antigen binding fragment thereof with a member selected from the group consisting of toxins, ~~enzymes~~, radioactive compounds, and hematogenous cells, whereby an antibody conjugate is formed; and

administering said antibody conjugates cr conjugated antigen binding fragments thereof to said patient;

wherein said conjugated antibodies are placed in admixture with a pharmaceutically acceptable adjuvant and are administered in an amount effective to mediate treatment of said ~~cancerous disease~~ breast or prostate cancer.

Claim ~~13~~ 9. (Currently Amended) The method of claim ~~14~~ 8, wherein said isolated monoclonal antibody or antigen binding fragment thereof is ~~selected from said subset are~~ humanized ~~or chimerized chimeric~~.

Claim 16. (Currently Amended) The method for treating a patient suffering from ~~a cancerous disease~~ breast or prostate cancer in accordance with claim 12 wherein:

the cytotoxicity of said isolated monoclonal antibody or antigen binding fragment thereof is mediated through antibody dependent cellular toxicity.

Claim 17. (Withdrawn) The method for treating a patient suffering from a cancerous disease in accordance with claim 12 wherein:

the cytotoxicity of said antibody or fragment thereof is mediated through complement dependent cellular toxicity.

Claim 18. (Withdrawn) The method for treating a patient suffering from a cancerous disease in accordance with claim 12 wherein:

the cytotoxicity of said antibody or fragment thereof is mediated through catalyzing of the hydrolysis of cellular chemical bonds.

Claim 19. (Withdrawn) The method for treating a patient suffering from a cancerous disease in accordance with claim 12 wherein:

the cytotoxicity of said antibody or fragment thereof is mediated through producing an immune response against putative cancer antigens residing on tumor cells.

Claim 20. (Withdrawn) The method for treating a patient suffering from a cancerous disease in accordance with claim 12 wherein:

the cytotoxicity of said antibody or fragment thereof is mediated through targeting of cell membrane proteins to interfere with their function.

Claim 21. (Withdrawn) The method for treating a patient suffering from a cancerous disease in accordance with claim 12 wherein:

the cytotoxicity of said antibody or fragment thereof is mediated through production of a conformational change in a cellular protein effective to produce a signal to initiate cell-killing.

Claim ~~22.~~ 10 (Currently Amended) The method for treating a patient suffering from ~~a cancerous disease~~ breast or prostate cancer in accordance with claim ~~12~~ 6 wherein:

said method of production ~~utilizes~~ is performed with a tissue sample containing cancerous and non-cancerous cells obtained from ~~a particular individual~~ said patient.

Claim 23. (Currently Amended) A process for mediating cytotoxicity of a human breast or prostate tumor cell which expresses ~~a CD63 antigenic moiety~~ an extracellular region encompassing amino acids 108-202 of CD63 on the cell surface comprising:

contacting said breast or prostate tumor cell with an isolated monoclonal antibody or antigen binding fragment thereof~~, said antibody or antigen binding fragment thereof being an isolated monoclonal antibody or antigen binding fragment thereof~~ which has *in vitro* cytotoxic properties against malignant tumor cells and binds to said expressed extracellular region encompassing amino acids 108-202 of CD63 ~~antigenic moiety~~, ~~said antigenic moiety characterized as being bound by an antibody having the identifying characteristics of a~~ which region is the region bound by the isolated monoclonal antibody ~~encoded~~ produced by ~~a clone~~ the hybridoma cell line deposited with the ATCC as PTA-4890, whereby cell cytotoxicity occurs as a result of said binding.

Claim 24. (Currently Amended) The process of claim 23 wherein said isolated monoclonal antibody or antigen binding fragments thereof are humanized or ~~chimerized~~ chimeric.

Claim 25. (Currently Amended) The process of claim 23 wherein said isolated monoclonal antibody or antigen binding fragments thereof are conjugated with a member selected from the group consisting of ~~cytotoxic moieties~~ toxins, enzymes, radioactive compounds, and hematogenous cells, whereby an antibody conjugate is formed.

Claim 26. (Currently Amended) The process of claim 23 wherein said isolated monoclonal antibody or antigen binding fragments thereof are humanized or ~~chimerized~~ chimeric .

Claim 27. (Cancelled)

Claim 28. (Cancelled)

Claim 29. (Withdrawn) A binding assay to determine a presence of cells which express a CD63 antigenic moiety which specifically binds to an isolated monoclonal antibody encoded by the clone deposited with the ATCC as PTA-4890, or an antigen binding fragment thereof comprising:

providing a cell sample;

providing an isolated monoclonal antibody or antigen binding fragment thereof, said antibody or antigen binding fragment thereof being an isolated monoclonal antibody or antigen binding fragment thereof which binds to said expressed CD63 antigenic moiety, said antigenic moiety characterized as being bound by an antibody having the identifying characteristics of a monoclonal antibody encoded by the clone deposited with the ATCC as PTA-4890;

contacting said isolated monoclonal antibody or antigen binding fragment thereof with said cell sample; and

determining binding of said isolated monoclonal antibody or antigen binding fragment thereof with said cell sample;

whereby the presence of cells which express a CD63 antigenic moiety which specifically binds to said isolated monoclonal antibody or antigen binding fragment thereof is determined.

Claim 30. (Withdrawn) The binding assay of claim 29 wherein the cell sample is obtained from a tumor originating in a tissue selected from the group consisting of colon, ovarian, lung, prostate and breast tissue.

Claim 31. (Withdrawn) A process of isolating or screening for cells in a sample which express a CD63 antigenic moiety which specifically binds to an isolated monoclonal antibody or antigen

binding fragment thereof, said antigenic moiety characterized as being bound by an antibody having the identifying characteristics of a monoclonal antibody encoded by the clone deposited with the ATCC as PTA-4890 comprising:

providing a cell sample;

providing an isolated monoclonal antibody or antigen binding fragment thereof, said antibody or antigen binding fragment thereof being an isolated monoclonal antibody or antigen binding fragment thereof which binds to said expressed CD63 antigenic moiety, said antigenic moiety characterized as being bound by an antibody having the identifying characteristics of a monoclonal antibody encoded by the clone deposited with the ATCC as PTA-4890;

contacting said isolated monoclonal antibody or antigen binding fragment thereof with said cell sample; and

determining binding of said isolated monoclonal antibody or antigen binding fragment thereof with said cell sample;

whereby said cells which express a CD63 antigenic moiety which specifically binds to an isolated monoclonal antibody encoded by the clone deposited with the ATCC as PTA-4890, or antigen binding fragment thereof are isolated by said binding and their presence in said cell sample is confirmed.

Claim 32. (Withdrawn) The process of claim 31 wherein the cell sample is obtained from a tumor originating in a tissue selected from the group consisting of colon, ovarian, lung, prostate and breast tissue.

Claim 33. (Withdrawn) A method of extending survival and/or delaying disease progression by treating a human tumor in a mammal, wherein said tumor expresses an antigen which specifically binds to a monoclonal antibody or antigen binding fragment thereof which has the identifying characteristics of a monoclonal antibody encoded by a clone deposited with the ATCC as accession number PTA-4890 comprising administering to said mammal said monoclonal antibody in an amount effective to reduce said mammal's tumor burden, whereby disease progression is delayed and/or survival is extended.

Claim 34. (Withdrawn) The method of claim 33 wherein said antibody is conjugated to a cytotoxic moiety.

Claim 35. (Withdrawn) The method of claim 33 wherein said cytotoxic moiety is a radioactive isotope.

Claim 36. (Withdrawn) The method of claim 33 wherein said antibody activates complement.

Claim 37. (Withdrawn) The method of claim 33 wherein said antibody mediates antibody dependent cellular cytotoxicity.

Claim 38. (Withdrawn) The method of claim 33 wherein said antibody is a murine antibody.

Claim 39. (Withdrawn) The method of claim 33 wherein said antibody is a humanized antibody.

Claim 40. (Withdrawn) The method of claim 33 wherein said antibody is a chimerized antibody.